

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-18. (cancelled)

19. (currently amended)[[:]] ~~Bioactive dishes~~ A bioactive dish for cell cultures, the dish comprising ~~on their~~ a bottom surface, and  
a bilayer coated on the bottom surface, the bilayer comprising an internal primary layer made of hydroxypropylmethylcellulose (HPMC)[[:]] or polyvinyl alcohol (PVA) in contact with the bottom surface ~~of the dishes~~, and an external bioactive layer ~~made of~~ comprising carboxypropylmethylcellulose situated on said internal primary layer.

20. (currently amended)[[:]] ~~Bioactive dishes~~ The bioactive dish according to claim 19, ~~characterized in that they are said dish~~ presented in the form of a Petri dish ~~dishes, such as polystyrene Petri dishes of commercial origin,~~ or in the form of a multi-well plate ~~plates, on the bottom of which the bilayer is situated.~~

21. (currently amended)[[:]] ~~Bioactive dishes~~ The bioactive dish according to claim 19, ~~characterized in that the thicknesses of wherein~~ the internal HPMC or PVA layer, and ~~of the external CMC layer, each have a thickness of are a few microns,~~ ~~in particular~~ approximately 1 to 5 microns.

22. (currently amended)[[:]] ~~Method~~ A method for preparing ~~the bioactive dish dishes~~ according to claim 19, ~~comprising characterized in that it comprises:~~

[[ - ]] ~~a stage of activation of~~ activating the surface of the bottom of the ~~dish dishes~~ by electromagnetic discharges,

[[ - ]] ~~the~~ depositing ~~of~~ the internal HPMC primary layer on the bottom of the ~~dish dishes~~, and then drying the primary layer,

[[ - ]] ~~the~~ depositing ~~of~~ the external bioactive layer on the dried primary layer obtained in the preceding stage, and then drying the external bioactive layer.

23. (canceled)

24. (currently amended)[[:]] ~~Method~~ A method for screening anti-ageing molecules intended to ~~prevent~~ inhibit and or delay the effects of ageing, ~~characterized in that it comprises~~ comprising:

[[~~-~~]] ~~a stage of culturing cells, such as fibroblasts,~~  
in the presence of ~~the~~ an anti-ageing ~~molecules~~ molecule to be  
studied, in the culture dishes defined in claim 19,

[[~~-~~]] ~~the observation of~~ observing the cells by  
microscope ~~in order to~~ obtain observations regarding ~~study their~~  
the cells' morphology,

[[~~-~~]] optionally detecting and/or quantifying the  
cells' proliferation and/or the cells' synthesis to obtain data  
~~and/or the detection, or even the quantification, of the~~  
~~proliferation and syntheses,~~

[[~~-~~]] ~~and the comparison with~~ comparing the  
observations and/or data ~~results~~ obtained in the steps above ~~on~~  
with observations and/or data obtained in cultures of control  
cells ~~used as controls,~~ said control ~~cultures~~ cells being ~~carried~~  
~~out by culturing said cells~~ cultured in said culture dishes but  
in the absence of said anti-ageing molecules to be studied, ~~in~~  
~~the dishes.~~

25. (currently amended)[[:]] ~~Method~~ A method for  
screening antitumor molecules intended for the treatment of  
cancer, ~~characterized in that it comprises~~ comprising:

[[~~-~~]] ~~a stage of culturing tumor cells, such as animal~~  
~~or human melanoma cells,~~ in the presence of ~~the~~ an antitumor  
~~molecules~~ molecule to be studied, in the culture dishes defined  
in claim 19,

[[~~-~~]] ~~observation of~~ observing the cells by microscope ~~in order~~ to obtain observations regarding ~~study their~~ the cells' morphology and or ~~their~~ the cells' differentiation,

[[~~-~~]] optionally detecting and/or quantifying the cells' ~~and/or the detection, or even the quantification, of their~~ proliferation, differentiation and apoptosis to obtain data,

[[~~-~~]] and ~~comparison with~~ comparing the observations and or data results obtained in the steps above with observations and/or data obtained in ~~on cell~~ cultures of control cells used as ~~controls,~~ said control cells being cultured in said culture dishes but ~~cultures being carried out by culturing said cells in~~ the absence of said antitumor molecules to be studied, ~~in the culture dishes.~~

26. (currently amended) [[~~:~~]] ~~Method A~~ A method for *in vitro* diagnosis of the malignancy of tumor cells by ~~measurement of~~ measuring the residual ability of cancer cells to differentiate, ~~characterized in that it comprises~~ comprising:

[[~~-~~]] ~~a stage of culturing cancer cells, such as human melanoma cells obtained from biopsies,~~ in the culture dishes defined in claim 19,

[[~~-~~]] ~~the observation of~~ observing the cells by microscope in order to study ~~their~~ the cells' morphology and or differentiation, and

optionally detecting and/or quantifying the cells'  
~~and/or the detection, or even the quantification, of their~~  
proliferation, viability and apoptosis.

27. (canceled)

28. (new) A method for prognosing tumors, comprising  
applying the method for *in vitro* diagnosis according to claim 26  
to a tumor cell sample.